

30/2 - 31/R

WATER WELL REPORT
STATE OF WASHINGTONStart Card No. 016846
Water Right Permit No.

(1) OWNER: Name NIERMEYER, BRUCE Address 305 S. STATE COLLEGE ANAHEIM, CA 92806-
 (2) LOCATION OF WELL: County ISLAND
 (2a) STREET ADDRESS OF WELL (or nearest address) SHUGGLER COVE RD. SE SE

(3) PROPOSED USE: DOMESTIC

(10) WELL LOG

(4) TYPE OF WORK: Owner's Number of well
 (If more than one)
 Method: ROTARY

NEW WELL

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change in formation.

(5) DIMENSIONS: Diameter of well 6 inches
 Drilled 492 ft. Depth of completed well 492 ft.

(6) CONSTRUCTION DETAILS:
 Casing installed: 6 Dia. from +3 ft. to 478.5 ft.
 WELDED Dia. from ft. to ft.
 Dia. from ft. to ft.

Perforations: NO

Type of perforator used

SIZE of perforations

perforations from	ft. to	in. by	ft.	in.
perforations from	ft. to	ft.		
perforations from	ft. to	ft.		

Screens: YES

Manufacturer's Name

JOHNSON

Type STAINLESS STEEL

Model No.

Diam.	slot size	from	ft. to	ft.
4	slot size 8	from 481	ft. to 485	ft.
4	slot size 10	from 485	ft. to 489	ft.

Gravel packed: NO

Size of gravel

Gravel placed from ft. to ft.

Surface seal: YES

To what depth? 18 ft.

Material used in seal PUDDLING CLAY

Did any strata contain unusable water? NO

Type of water? Depth of strata ft.

Method of sealing strata off

(7) PUMP: Manufacturer's Name
 Type H.P.

(8) WATER LEVELS: Land-surface elevation
 Static level 291 ft. above mean sea level Date 07/13/88
 Artesian Pressure lbs. per square inch Date / /
 Artesian water controlled by

MATERIAL FROM TO
 TOPSOIL 0 2
 BROWN SAND & GRAVEL & CLAY 2 28
 BROWN SAND 28 40
 GRAY CLAY 40 51
 GRAY SILT SAND WOOD & - SEEPAGE 51 56
 GRAY CLAY 56 89
 GRAY CLAY & GRAVEL 89 115
 BROWN SAND GRAVEL & CLAY 115 126
 SANDY BROWN CLAY & LITTLE GRAVEL 126 130
 BROWN MED. SAND & CLAY 130 142
 BROWN GRAVEL & CLAY 142 165
 BROWN GRAVEL SAND & CLAY 165 183
 BROWN & GRAY CLAY 183 190
 GRAY CLAY 190 196
 GRAY CLAY & WOOD 196 208
 LAYERED GRAY CLAY 208 212
 GRAY CLAY & SILT 212 217
 GRAY CLAY & WOOD 217 252
 SANDY GRAY CLAY WOOD & SCATRD. GRAV. 252 260
 GRAY CLAY 260 290
 GRAY CLAY & - SEEPAGE 290 318
 GRAY CLAY & SILT - SEEPAGE 318 341
 GRAY CLAY 341 422
 GRAY CLAY & LITTLE GRAVEL 422 435
 SANDY GRAY CLAY & GRAVEL 435 450
 SANDY GRAY CLAY & LITTLE GRAVEL 450 464
 SANDY GRAY CLAY & GRAVEL 464 475
 HARD LAYERED SANDY GRAY CLAY GRAVEL & WATER 475

Work started 07/08/88

Completed 07/13/88

(9) WELL TESTS: Drawdown is amount water level is lowered below static level.

Was a pump test made? NO If yes, by whom?
 Yield: gal./min with ft. drawdown after hrs.

Recovery data

Time	Water Level	Time	Water Level	Time	Water Level
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Date of test / /

Bailer test 7 gal./min. 25.5 ft. drawdown after 2 hrs.
 Air test 12 gal./min. w/ stem set at 480 ft. for 1 hrs.

Artesian flow g.p.m. Date
 Temperature of water Was a chemical analysis made? NO

WELL CONSTRUCTOR CERTIFICATION:

I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME HAYES WELL DRILLING/PUMPS

(Person, firm, or corporation) (Type or print)

ADDRESS 556 ERSNIG RD.

[SIGNED] *Steve Glick* License No. 762

Contractor's

Registration No. HAYESND 1870 W

Date 12/09/88

NOV 10 1988

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NORTHWEST REGION

EXAMPLE OF INCORRECT WELL LOG
Lack of Accurate Information to Determine
Status of Saltwater Intrusion

This well log of Bruce Niermeyer's well is important because of the apparent error of the actual location and depth. It illustrates the need for field checking of all well reports by competent hydrogeologists.

Location of the well shown on the Well Report is in error by one mile. The description of the location as stated is:

T30N., R2_, SW 1/4 of the NW 1/4, Sec. 31,

which places it one mile off-shore in Puget Sound northbound shipping lane. Note the incomplete Range figure and the incorrect Section Number.

Actual location of the well is:

T30N., R2E - SW 1/4 of the NW 1/4, Sec. 32.

Physically it is 1200-feet inland from saltwater and 200-feet west of Smuggler's Cove Road.

The well number should be 30/2-32E05. *ILC 275+093*

These two errors in this legal document can result in tax assesment errors, water right disputes, as well as compounded errors throughout the State's computer records. They also place the well driller's license in jeopardy.

Casing elevation is not shown, but a topographical map shows ground elevation to be 280 to 300 feet. The casing elevation, because of it's importance, should be established by differential leveling.

The log is also unsigned.

A minimum of two chemical analyses should be made for:

1. Sodium and chloride to detect saltwater intrusion.
2. A test for arsenic should be done to detect arsenic poisoning.

/s/HARRY E. WILBERT, Prof. Engr. #2341

Submitted this 22 day of September 1988.

Harry E. Wilbert

HARRY E. WILBERT, P.E. #2341
WILBEE RESEARCH

HEW/mmww

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Casing elevation 280 by Alt. 22 June 1989
Static water level -11.0 13 July 1988



Well Tagging Form

Unique Well Tag No:

APH 263

30-2E-32E

APH 263

RECORD VERIFICATION (check ☒ one)



Well Report available (please attach this form to the well report and submit it to the Ecology Regional Office near you).

If a well report is not available, please complete a "Water Well Report for an Existing Well" form. This form is available at Ecology's headquarters office. **Do not use this form for wells that do not have a Water Well Report.**

WELL OWNERSHIP, IF DIFFERENT FROM WELL REPORT

First Name:

Smuggler's Cove Heights Water Association

Last Name:

Street Address:

PO Box 658

City:

Freeland

State:

WA 98249

LOCATION OF WELL, IF DIFFERENT FROM WELL REPORT

Well Address:

Parcel R 23032-284-0590 Smuggler's Cove Road

City:

Freeland

County:

Island

T.

30

N.

R.

2

E

W.M.

Sec.

32

SW

1/4 of the NW

Latitude

Longitude

Elevation at land surface

300

feet/meters (circle one)

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WELL CHARACTERISTICS

Location of Well identification Tag:

Strapped to well casing -
 On "dog-house" lean-to connected to pump house

D	C	B	A
E	F	G	H
M	L	K	J
N	P	Q	R

Scale 1:24,000 (1" = 2,000')

Indicate the location of the well within the Section by drawing a dot at that point

SECTION 32

COMMENTS:

1. Well is located in the center of the section.
 2. The well is located in the center of the section.
 3. The well is located in the center of the section.

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